



County of San Diego
Department of Planning and Land Use
BUILDING DIVISION

ACCESSIBILITY CORRECTION LIST

Multifamily Housing

8A

**Elevators and
Platform/Wheelchair Lifts**

PLAN CHECK NUMBER:

OWNER:

SCOPING

1. Elevators provided in covered multifamily dwellings or accessory common-use facilities shall be accessible and on an accessible route.
Exception: Private elevator serving an individual dwelling unit
CBC 1124A.1 and CBC 1124A.2
2. Note on plans: "All elevators shall comply with ASME A17.1, *Safety Code for Elevators and Escalators*."
CBC 1124A.1

CAR DIMENSIONS

3. Dimension elevator car interior complying with the following:
 - ☐ For elevator cars with side-opening doors, minimum 68 inches between side walls per CBC Figure 11A-7A(a)
 - ☐ For elevator cars with center-opening doors, minimum 80 inches between side walls per CBC Figure 11A-7A(b)
 - ☐ Minimum 54 inches between rear wall and door
 - ☐ Minimum 51 inches between rear wall and return panel
CBC 1124A.3.2

DOORS

4. Dimension minimum 36-inch clear width at elevator doors.
CBC 1124A.3.2.1
5. Specify door reopening devices at automatic doors complying with the following per CBC Figure 11A-7C:
 - ☐ Capable of sensing an object or person in path of closing door at nominal 5 inches and 29 inches above floor
 - ☐ Do not require contact for activation
 - ☐ Remain effective for not fewer than 20 seconds
CBC 1124A.9
6. Detail doorjamb marking complying with the following at each lobby elevator hoistway entrance per CBC Figure 11A-7C:
 - ☐ Indicating respective floor number
 - ☐ Located on both sides of door and visible from within elevator car
 - ☐ Centered 60 inches (absolute) above lobby floor
 - ☐ Floor numbers designated by raised characters minimum 2-inches high on contrasting background and otherwise complying with item 27
 - ☐ Grade level designated by raised five-pointed star with 2-inch (absolute) outside diameter placed to left of floor-designation number on contrasting background and otherwise complying with item **Error! Reference source not found.**
 - ☐ Corresponding Braille per item 28 beneath raised characters
CBC 1124A.8
7. Specify the following at elevator landings:
 - ☐ Self-leveling feature automatically positioning elevator car platform flush with lobby landings within +/- 1/2-inch tolerance
 - ☐ Maximum 1 1/4-inch clearance between elevator car platform sill and hoistway landing edge
 - ☐ Minimum 5-foot-candle illumination at car/landing threshold
CBC 1124A.5 and CBC 1124A.10

CAR CONTROLS AND INDICATORS

8. Dimension floor buttons complying with the following:
 - ☐ Maximum 48 inches above elevator car platform surface where only front approach allowed
 - ☐ Maximum 54 inches above elevator car platform surface where parallel approach allowed
CBC 1124A.3.3.1
9. Specify floor buttons shall include visual indicators showing when each call is registered and extinguishing when each call is answered.
CBC 1124A.3.3.1
10. Dimension elevator emergency controls – including emergency stop and alarm – complying with the following per CBC Figure 11A-7B:
 - ☐ Minimum 35 inches above elevator car platform surface
 - ☐ Grouped near bottom of floor-button panel
CBC 1124A.3.3.1
11. Detail car control and emergency buttons complying with following per CBC Figure 11A-7B(a):
 - ☐ Minimum 3/4-inch-diameter control buttons raised 1/8 inch +/- 1/32 inch above surrounding surface
 - ☐ Illuminated control buttons with square shoulders and activated by detectable mechanical motion
 - ☐ Minimum 3/8-inch clear space or separation between rows of control buttons
 - ☐ Raised characters per the following:
 - o Located immediately to left of control buttons
 - o White on black background
 - o Otherwise complying with item 27
 - ☐ Raised symbols per the following:
 - o Provided for controls and emergency equipment including – but not limited to – "door open," "door close," "alarm bell," "emergency stop," and "telephone"
 - o Five-pointed star at call button for main entry floor
 - o Located immediately to left of control buttons
 - o White on black background
 - o Otherwise complying with item 27
 - ☐ Corresponding Braille per item **Error! Reference source not found.** beneath raised characters and symbols
CBC 1124A.3.3.2
12. Specify and dimension elevator emergency telephone handset complying with following:
 - ☐ Positioned maximum 48 inches above platform surface
 - ☐ Handset cord minimum 29 inches long
 - ☐ Designated by raised telephone symbol per item 27
 - ☐ Corresponding Braille per item 28 beneath raised symbol
 - ☐ Lever-type hardware for door to any telephone compartment
 - ☐ Emergency intercommunication shall not require voice communication.
CBC 1124A.3.4

**THIS DOCUMENT IS FOR PLAN REVIEW ONLY.
CORRECTION LIST ITEMS MAY NOT BE REPRODUCED OR COPIED ON PLANS.
PROVIDE COMPLETE DETAILS, DIMENSIONS, AND NOTES TO SATISFY CORRECTION ITEMS.**

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LOBBY CONTROLS AND INDICATORS

13. Detail lobby call buttons complying with the following per CBC Figure 11A-7C:
- ☐ Centerline positioned 42 inches (absolute) above floor
 - ☐ Minimum 3/4-inch-diameter buttons raised 1/8 inch +/- 1/32 inch above surrounding surface
 - ☐ Button designating up direction on top
 - ☐ Internally illuminated with white light over entire button surface
 - ☐ Visual indication provided when each call registered and extinguished when answered
 - ☐ No objects adjacent to and below call buttons projecting more than 4 inches from wall
- CBC 1124A.4*
14. Specify visual and audible signals at each lobby hoistway entrance complying with the following per CBC Figure 11A-7C:
- ☐ Minimum 2½-inch-high by 2½-inch-wide lanterns signifying up and down directions
 - ☐ Lanterns preferably arrow-shaped
 - ☐ Lanterns visible from proximity of lobby call buttons, whether on wall or elevator car doorjamb
 - ☐ Centerline of lanterns minimum 72 inches above lobby floor
 - ☐ Audible signal sounding once for up direction and twice for down direction or verbal annunciators stating "up" or "down"
- CBC 1124A.6*
15. Specify elevator door opening time per CBC Figure 11A-7D graph:
- ☐ T = Time in seconds from notification car answering call until doors start to close
 - ☐ D = Distance in feet from point in lobby area 60 inches directly in front of farthest call button to centerline of hoistway door
 - ☐ Doors shall remain fully open minimum 5 seconds
- CBC 1124A.7.1 and CBC 1124A.7.2*

TWO-WAY COMMUNICATION

16. Specify two-way communication system at elevator landings on each accessible floor one or more stories above or below story of exit discharge.
- Exception:** Landing served by area of refuge with two-way communication
- Exception:** Floor provided with exit ramp
- CBC 1007.8*
17. Specify two-way communication system complying with the following between required location and fire command center or central control point approved by fire department:
- ☐ If central control point not constantly attended, system shall have timed automatic telephone dial-out capability to monitoring location or 911
 - ☐ Communication system with both audible and visible signals
- CBC 1007.8.1*
18. Specify posting of the following information adjacent to two-way communication system:
- ☐ Directions for use of system
 - ☐ Instructions for summoning assistance via system
 - ☐ Written identification of location
- CBC 1007.8.2*

AREAS OF REFUGE

19. Identify on plans an area of refuge at each elevator provided as an accessible means of egress per CBC 1007.
- Exception:** Elevators in buildings with automatic sprinkler system
- Exception:** Elevators without protected shaft enclosures as allowed per CBC 708.2
- CBC 1007.4 and CBC 1007.6*
20. Locate and dimension each area of refuge to comply with the following:
- ☐ Location on accessible route from space served
 - ☐ Maximum travel distance from space served per CBC 1016
 - ☐ Accommodates one wheelchair space for every 200 occupants served, but not fewer than two wheelchair spaces
 - ☐ Each wheelchair space minimum 30-inches by 48-inches
 - ☐ Access to any wheelchair space not obstructed by more than one adjoining wheelchair space
 - ☐ Wheelchair spaces do not reduce required egress width
- CBC 1007.6*
21. Where elevator lobby used as area of refuge, detail smokeproof enclosure assembly for shaft and lobby.
- Exception:** Elevator within area of refuge formed by horizontal exit or smoke barrier
- CBC 1007.6*
22. Detail smoke barrier per CBC 710 or horizontal exit per CBC 1025 between each area of refuge and remainder of story.
- CBC 1007.6.2*
23. Specify two-way communication system provided per items 17 and 18 within each area of refuge and also including the following:
- ☐ Accessible button provided within area of refuge activating lights in both area of rescue and control point indicating rescue requested
 - ☐ Button provided at control point activating lights in both area of rescue and control point indicating request received
- CBC 1007.6.3 and CBC 1007.8.1.1*
24. Provide sign per the following at door accessing area of refuge:
- ☐ Visual characters stating "AREA OF REFUGE" per item 26
 - ☐ Including International Symbol of Accessibility per CBC Figure 1A-1A(b)
 - ☐ Illuminated where exit sign illumination required
 - ☐ Raised characters per item 27
 - ☐ Corresponding Braille per item 28
- CBC 1007.9*
25. Specify instructions displayed per item 18 adjacent to two-way communication system including the following for use under emergency conditions:
- ☐ Visual character per item 26
 - ☐ Directions to locate other accessible means of egress
 - ☐ Directions to persons able to use exit stairway to do so as soon as possible unless assisting others
 - ☐ Information on planned availability of assistance in supervised operation of elevator and how to summon such assistance
 - ☐ Directions for use of two-way communication system
- CBC 1007.10 and CBC 1007.11*

SIGNAGE

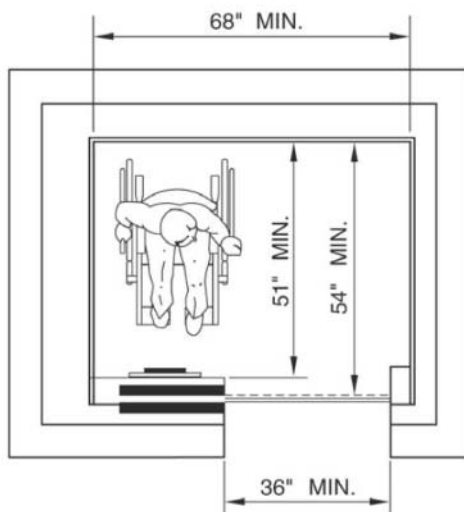
26. Visual characters on signage shall comply with the following:
- ❑ Characters, symbols, and background with non-glare finish
 - ❑ Colors of characters and symbols contrasting with background, either light on dark background or dark on light background
 - ❑ Character width-to-height ratio between 3:5 and 1:1 and stroke width-to-height ratio between 1:5 and 1:10
 - ❑ Characters sized according to intended viewing distance
CBC 1143A.5, CBC 1143A.6, and CBC 1143A.7
27. Raised characters on signage shall comply with the following:
- ❑ Characters minimum 5/8-inch and maximum 2-inches high
 - ❑ Characters raised minimum 1/32 inch
 - ❑ Characters sans serif and uppercase
 - ❑ Characters in horizontal format
 - ❑ Pictorial symbols minimum 6-inches high
 - ❑ Text description directly below pictorial symbols
CBC 1143A.8
28. Braille on signage shall comply with the following:
- ❑ Dots 1/10 inch on center in each cell
 - ❑ 2/10-inch spaces between cells, measured from second column of dots in first cell to first column of dots in second cell
 - ❑ Dots raised minimum 1/40 inch above background
 - ❑ Dots domed or rounded
 - ❑ Braille flush left or centered and placed minimum 3/8 inch and maximum 1/2 inch below raised characters or symbols
 - ❑ Braille in horizontal format
 - ❑ When raised characters are multilined text, all Braille placed together below all raised text lines
CBC 1143A.8 and CBC 1143A.9

PLATFORM/WHEELCHAIR LIFTS

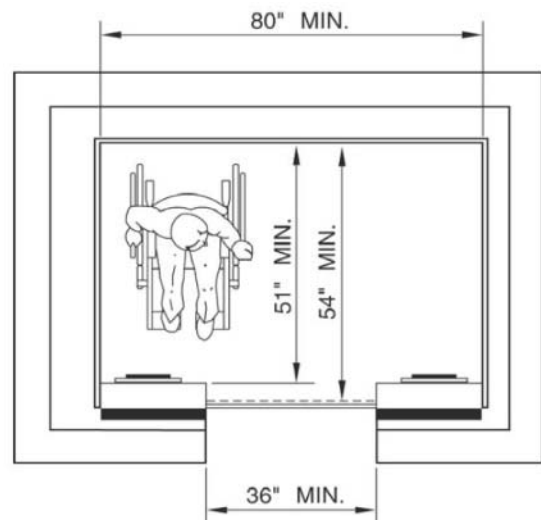
29. Platform/wheelchair lifts may be provided between levels – in lieu of passenger elevators – when the travel distance between landings complies with the following:
- ❑ Maximum 5-feet vertical distance for unenclosed lifts
 - ❑ Maximum 12-feet vertical distance for enclosed lifts
 - ❑ Maximum 45-degree travel angle for incline lifts
CBC 1124A.11 and ASME A18.1
30. If platform/wheelchair lift provided, it shall be designed and constructed to facilitate unassisted entry, operation, and exit from lift.
CBC 1124A.11
31. Note on plans: "All platform/wheelchair lifts shall comply with *ASME A18.1, Safety Standard for Platform Lifts and Stairway Chair Lifts.*"
CBC 1124A.11



**CBC FIGURE 11A-1A(b) – INTERNATIONAL SYMBOL OF ACCESSIBILITY
(WHITE FIGURE ON BLUE BACKGROUND EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B)**

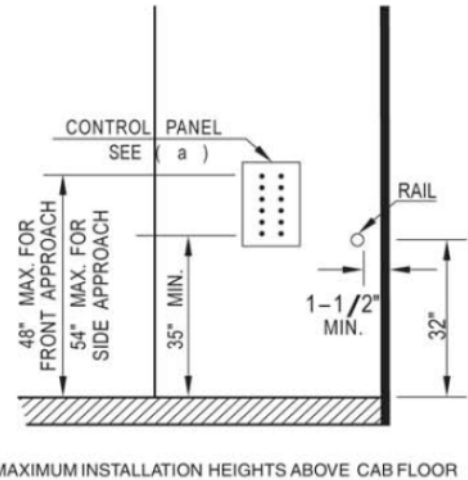
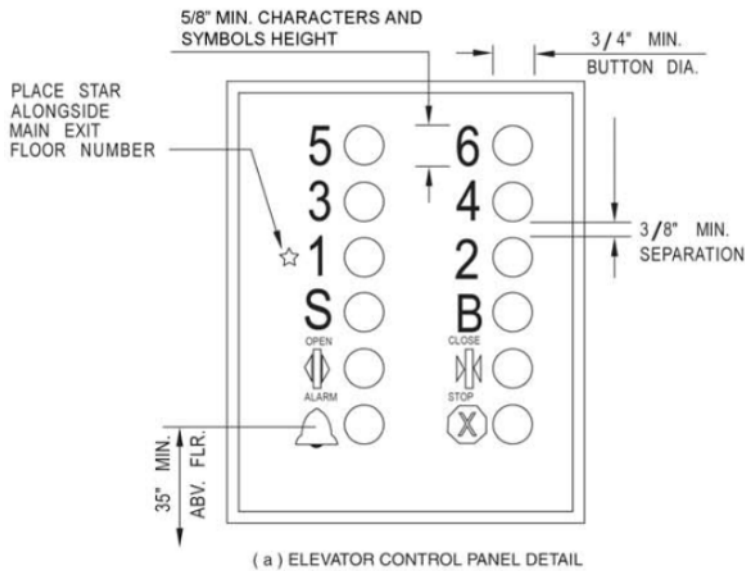


**CBC FIGURE 11A-7A(a) –
ELEVATOR CAR DIMENSIONS
(SIDE-OPENING DOOR)**

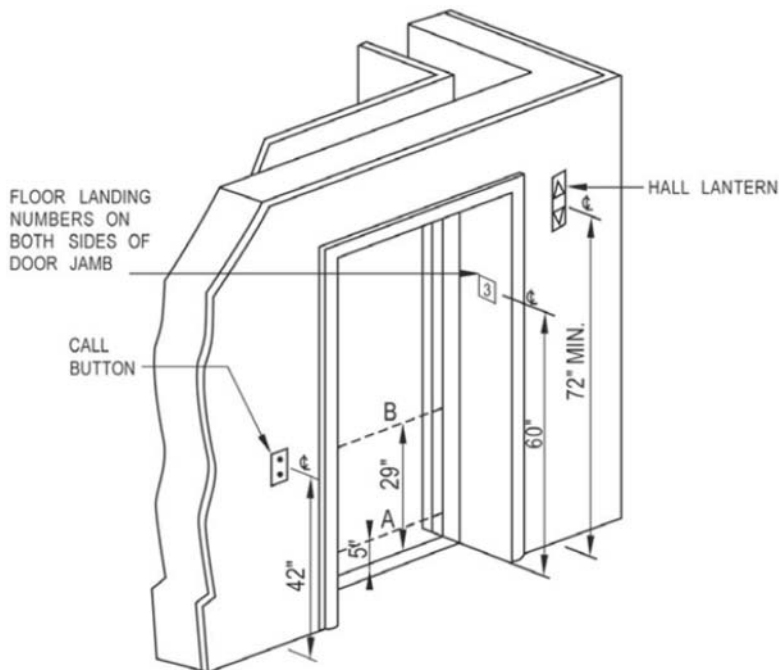


**CBC FIGURE 11A-7A(b) –
ELEVATOR CAR DIMENSIONS
(CENTER-OPENING DOOR)**

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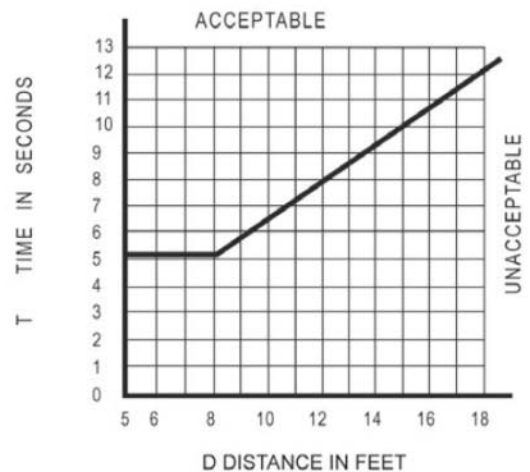


CBC FIGURE 11A-7B – ELEVATOR CONTROL PANEL



NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATION OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

CBC FIGURE 11A-7C – HOISTWAY AND ELEVATOR ENTRANCES



CBC FIGURE 11A-7D –
ELEVATOR DOOR TIMING GRAPH

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